

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/05776

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01J61/26 H01J61/35

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/56350 A (KONINKL PHILIPS ELECTRONICS NV) 9 August 2001 (2001-08-09) page 2, line 20 - page 3, line 5 page 4, line 21 - line 28 -----	1-17
A	US 4 451 757 A (LAGOS COSTAS C) 29 May 1984 (1984-05-29) column 2, line 52 - column 4, line 55 -----	1-17
A	US 2 748 306 A (GERHARD BJORKMAN KARL AKE) 29 May 1956 (1956-05-29) column 1, line 27 - line 35 column 1, line 52 - column 2, line 5 ----- -/-	1-17

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 0172, no. 72 (E-1371), 26 May 1993 (1993-05-26) & JP 5 013048 A (MATSUSHITA ELECTRON CORP), 22 January 1993 (1993-01-22) abstract	1-17
A	PATENT ABSTRACTS OF JAPAN vol. 0060, no. 16 (E-092), 29 January 1982 (1982-01-29) & JP 56 138852 A (MITSUBISHI ELECTRIC CORP), 29 October 1981 (1981-10-29) abstract	1-17
A	PATENT ABSTRACTS OF JAPAN vol. 0101, no. 79 (E-414), 24 June 1986 (1986-06-24) & JP 61 027055 A (NEC HOME ELECTRONICS LTD), 6 February 1986 (1986-02-06) abstract	1-17
A	US 5 552 665 A (TRUSHELL CHARLES) 3 September 1996 (1996-09-03) cited in the application the whole document	1-17
E	WO 03/105184 A (SNIJKERS-HENDRICKX INGRID J M ; KEUR WILHELMUS C (NL); KONINKL PHILIPS) 18 December 2003 (2003-12-18) the whole document	1-17

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International Application No
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0156350	A	09-08-2001	CN 1363113 T WO 0156350 A2 EP 1188175 A2 JP 2003521804 T US 2001026122 A1	07-08-2002 09-08-2001 20-03-2002 15-07-2003 04-10-2001
US 4451757	A	29-05-1984	NONE	
US 2748306	A	29-05-1956	DE 833084 C	03-03-1952
JP 5013048	A	22-01-1993	JP 2912734 B2	28-06-1999
JP 56138852	A	29-10-1981	NONE	
JP 61027055	A	06-02-1986	NONE	
US 5552665	A	03-09-1996	DE 69504312 D1 DE 69504312 T2 EP 0748515 A1 WO 9621239 A1 JP 9510048 T	01-10-1998 25-03-1999 18-12-1996 11-07-1996 07-10-1997
WO 03105184	A	18-12-2003	WO 03105184 A2	18-12-2003